

1                   **Massage Chair Controller Capable of Providing Games**

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3                   **Field of Invention**

4     The present invention relates to a massage chair controller capable of  
5     providing games.

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7                   **Background of Invention**

8     In a conventional massage chair, there are provided various massage  
9     modes, e.g., a single-point massage or a circulating massage. To this  
10    end, the massage chair must be equipped with a controller for a user to  
11    use to select massage modes. The controller provides only one function,  
12    i.e., the selection of the massage modes. The controller is idle after one  
13    of the message modes is selected.

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15    The present invention is therefore intended to obviate or at least alleviate  
16    the problems encountered in prior art.

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18                   **Summary of Invention**

19    The primary objective of the present invention is to provide a massage  
20    chair with a controller capable of providing games.

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22    According to the present invention, a controller is disclosed for use in a  
23    massage chair with vibrators and capable of providing games. The  
24    controller includes a display, an input device for input of commands, a  
25    selection module connected with both of the display and the input device,  
26    a game module connected with the selection module in order to provide

1 various games and a massage module connected with the selection  
2 module on one hand and connected with the vibrators on the other hand  
3 so as to actuate various combinations of the vibrators.

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5 Other objects, advantages, and novel features of the invention will  
6 become more apparent from the following detailed description when  
7 taken in conjunction with the attached drawings.

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9 **Brief Description of Drawings**

10 The present invention will be described through detailed illustration of  
11 two embodiments referring to the drawings.

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13 Figure 1 is a perspective view of a massage chair equipped with a  
14 controller capable of providing games according to the first embodiment  
15 of the present invention.

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17 Figure 2 is a perspective view of the controller shown in Figure 1.

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19 Figure 3 is a block diagram of a circuit used in the controller of Figure 2.

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21 Figure 4 is a perspective view of a user sitting on the massage chair and  
22 play electronic games with the controller of Figure 1.

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24 Figure 5 is similar to Figure 4 but shows a user using a wireless controller  
25 according to the second embodiment of the present invention.

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1    **Detailed Description of Embodiments**

2    Referring to Figure 1, according to a first embodiment of the present  
3    invention, a typical massage chair 1 includes a seat (not numbered), a  
4    backrest (not numbered), at least one vibrator 2 installed in the seat, at  
5    least one vibrator 2 installed in the backrest and a controller 6 connected  
6    with the vibrators 2. The controller 6 is capable of providing games.

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8    The vibrators 2 are connected with a transformer 4 through a power  
9    supply cord 3. The transformer 4 can be plugged in a socket 5 so that  
10   power can be provided for the vibrators 2. In this condition, the  
11   vibrators 2 can vibrate so as to message a user at various points.

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13   Referring to Figure 2, the controller 6 includes a first button group 10, a  
14   second button group 20 and a display 30. The first button group 10  
15   includes four direction buttons 11 for moving a cursor in the display 30.  
16   The second button group 20 includes three action buttons 21. The  
17   action buttons 21 can be pushed so as to conduct actions available in a  
18   game. Moreover, the action buttons 21 can be pushed so as to select  
19   massage modes. The controller 6 includes a confirmation button 50 near  
20   the first button group 10 and a selection button 60 near the second button  
21   group 20. The controller 6 includes a slot 40 located near the display 30  
22   in order to receive a game card 8.

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24   Figure 3 shows a circuit 70 used in the controller 6 of Figure 2. The  
25   circuit 70 includes a selection module 71, a game module 72, a built-in  
26   game card 9 and a massage module. The selection module 71 is

1 connected with all of the first button group 10, the second button group  
2 20, the display 30, the confirmation button 50 and the selection button 60.  
3 The game module 72 is connected with the selection module 71. A  
4 built-in game card 9 is connected with the game module 72. Moreover,  
5 the game module 72 is connected with the slot 40 through which the  
6 game card 8 is connected with the game module 72. The massage  
7 module 73 is also connected with the selection module 71. The  
8 vibrators 2 are connected with the message module 73.

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10 When the controller 6 is turned on, a message is displayed on the display  
11 30 in order to prompt the user to select from a game mode and a massage  
12 mode. If the game mode is selected, the game module 72 is actuated.  
13 If the massage mode is selected, the massage module 73 is actuated.  
14 The user can operate the first button group 10, the second button group 20,  
15 the confirmation button 50 and the selection button 60 in order to select  
16 from the modes.

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18 The massage module 73 connects the first button group 10, the second  
19 button group 20, the display 30, the confirmation button 50 and the  
20 selection button 60. The massage module 73 transmits signals to the  
21 vibrators 2 by means of a cable 7 (shown in Figure 2). Thus, the  
22 vibrators 2 can be started to oscillate.

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24 Referring to Figure 4, the user is sitting on the chair 1 and using the  
25 controller 6 to select from the game mode and massage mode. The user  
26 can play a game and enjoy massage simultaneously.

1 Figure 6 shows a massage chair controller capable of providing games  
2 according to a second embodiment of the present invention. The second  
3 embodiment is identical to the first embodiment except that the controller  
4 6 includes a wireless form. The controller 6 includes a transceiver 80  
5 formed thereon. The chair 1 also includes a transceiver (not shown)  
6 corresponding to the transceiver 80. The transceiver of the chair 1 is  
7 connected with the vibrators 2. The massage module 73 transmits a  
8 signal through the transceiver 80. The vibrators 2 receive the signal  
9 through the transceiver of the chair 1. Thus, the controller 6 controls the  
10 vibrators 2.

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12 The present invention has been described through detailed illustration of  
13 two embodiments. Those skilled in the art can derive variation from the  
14 embodiments without departing from the scope of the present invention.  
15 Therefore, the embodiments shall not limit the scope of the present  
16 invention defined in the claims.

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